

ABSTRACT OF THE DISCLOSURE

An apparatus for separating a suspension into a fine fraction and a coarse fraction of the suspension containing solid particles, comprises a rotatable filter disc (5) having a wall (6) of filtering material. During rotation of the filter disc the fine fraction passes through the wall of filtering material, while a mat of the coarse fraction of the suspension is deposited on the wall of filtering material. A mat detachment device (13) includes liquid jet nozzles (14) adapted to spray liquid jets that detach the mat of coarse fraction. The detachment device also includes air jet nozzles (15) adapted to spray air jets against the wall of filter material, so that the air jets participate in the detachment of the mat of coarse fraction and reduce the liquid dilution of the detached mat of coarse fraction.